

POPULAR
science

21st CENTURY SOLDIER



The Weaponry,
Gear, and Technology
of **the New Century**

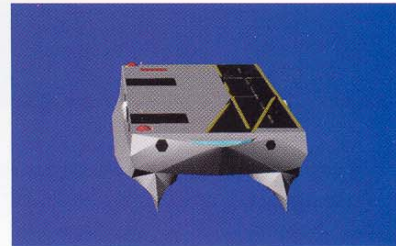
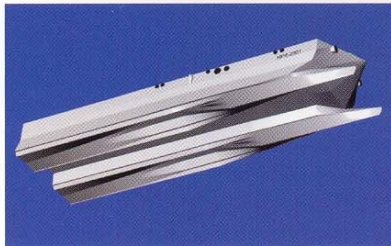
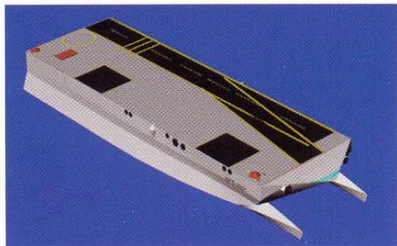


\$9.99US \$15.99CAN

25>



TIME INC. SPECIALS



SEA ARCHER

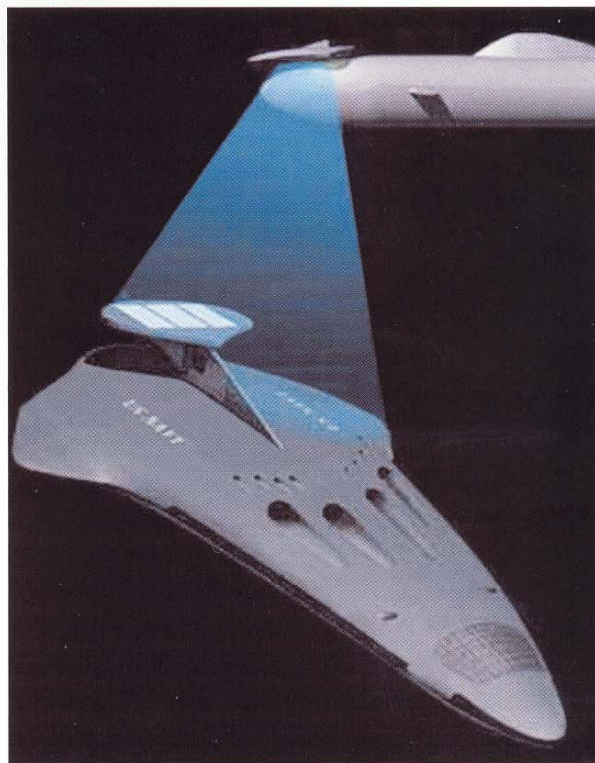
Part of a conceptual group of unmanned naval combat technologies, the Sea Archer (above, from three angles) would be a 600-foot catamaran-hulled carrier for unmanned combat aerial vehicles dubbed Sea Arrows.



MANTA

The potential future of submarine warfare, the Manta (right) is a prototype for a 50-ton unmanned underwater vessel that, once launched from a mother sub, could operate autonomously and fire as many as eight torpedoes.

fact, could be fitted around the hull of a sub, forward of the sail. With a prototype already undergoing sea trials, the oval, plate-shaped Manta would house four full-size torpedoes or eight half-size torpedoes. These could be supercavitating missiles, which means they'd be faster than the speed of sound (see



Prof. Harney recently located this book from the editors of Popular Science magazine. And there on page 77 is our SEA ARCHER TSSE ship design from 2002's CROSSBOW project.